

**WE
MAKE
INKS**

PAPIJET
INKS FOR DIGITAL TEXTILE AND UV PRINTING
BY KISCO

SUBLIMATION INK

The next generation of sublimation inks

WATER
BASED
I N K



PAPIJET
INKS FOR DIGITAL TEXTILE AND UV PRINTING













PAPIJET LTI 203 / 403 / 414

SUBLIMATION INKS For Epson

Advantages

- No clogging
- Jetting stability
- Excellent adhesion
- Low-grammage compatibility

Technical details

	Packing	Shades	Fastness*				
			Washing	Rubbing	Perspiration	Water	Light (Blue scale)
			ISO 105-C06	ISO 105-X12	ISO 105-E04	ISO 105-E01	ISO 105-B02
LTI 203	1kg Bottle	 Cyan	4-5	4-5	4-5	4-5	5-6
		 Magenta	4-5	4-5	4-5	4-5	6-7
		 Yellow	4-5	4-5	4-5	4-5	Over 7
		 Black	4-5	4-5	4-5	4-5	3-4
LTI 202	1kg Bottle	 Flou pink	4-5	4-5	4-5	4-5	5-6
		 Flou yellow	4-5	4-5	4-5	4-5	3-4
LTI 403	1kg Bottle	 Cyan	4-5	4-5	4-5	4-5	5
		 Magenta	4-5	4-5	4-5	4-5	6
		 Yellow	4-5	4-5	4-5	4-5	Over 7
		 Black	4-5	4-5	4-5	4-5	4
LTI 414	1kg Bottle	 Magenta	4-5	4-5	4-5	4-5	6
		 Black	4-5	4-5	4-5	4-5	4

*On polyester

Blue Scale Standard is based on the 7-step scale of 1 to 7, where 1 is bad and 7 is good.

The following data represents results of internal test performed with the specified ink and fabric.

Results in actual end use may vary depending on the particular conditions of use.

Application

Polyester and its blends for sportswear, swimwear, flags and banners



Certified
ISO 9001
ISO 14001
ISO 45001



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SUBLIMATION INK

The next generation of sublimation inks

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PAPIJET
INKS FOR DIGITAL TEXTILE AND UV PRINTING

PAPIJET LTIK 402 / LTIP

SUBLIMATION INKS For Kyocera / For Panasonic

Advantages

- No clogging
- Jetting stability
- Eco-friendly formulation
- Excellent paper compatibility

Technical details

	Packing	Shades	Fastness*				
			Washing	Rubbing	Perspiration	Water	Light (Blue scale)
			ISO 105-C06 Ch	ISO 105-X12 Dry/Wet	ISO 105-E04 Acid/Alkali	ISO 105-E01 Ch	ISO 105-B02
LTIK 402	1kg Bottle	Cyan	4-5	4-5/4-5	4-5/4-5	4-5	5
		Magenta	4-5	4-5/4-5	4-5/4-5	4-5	6
		Yellow	4-5	4-5/4-5	4-5/4-5	4-5	7
		Black	4-5	4-5/4-5	4-5/4-5	4-5	4
LTIP	1kg Bottle	Cyan	4-5	4-5/4-5	4-5/4-5	4-5	Over 4
		Magenta	4-5	4-5/4-5	4-5/4-5	4-5	Over 4
		Yellow	4-5	4-5/4-5	4-5/4-5	4-5	Over 4
		Black	4-5	4-5/4-5	4-5/4-5	4-5	Over 4
		Light Cyan	4-5	4-5/4-5	4-5/4-5	4-5	Over 4
		Light Magenta	4-5	4-5/4-5	4-5/4-5	4-5	Over 4

*On polyester

Blue Scale Standard is based on the 7-step scale of 1 to 7, where 1 is bad and 7 is good.

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PIGMENT INK

Direct to Fabric inks

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PAPAJET
INKS FOR DIGITAL TEXTILE AND UV PRINTING

PAPIJET TxPK 201

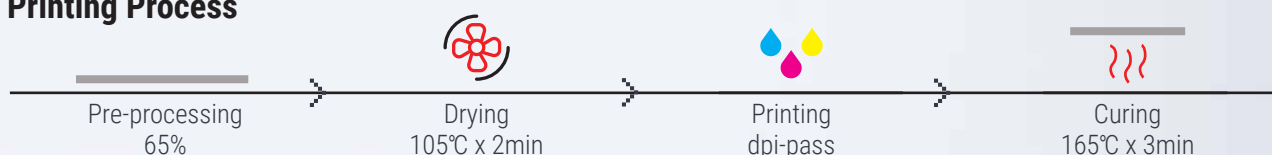
Our PAPIJET Digital Textile Pigment inks deliver high quality prints on a wide range of fabrics. The inks provide excellent output stability and are optimized to print with Kyocera (TxPK) heads. The eco-friendly inks are simple to process and require no further treatment. Prints are soft to touch and exhibit excellent rubbing fastness. The inks give excellent whites that also act as a strong base to deliver clear images.

PIGMENT INKS For Kyocera

Advantages

One ink fits all
Deep Black

Printing Process



Technical details

	Packing	Shades	Fastness*				
			Washing	Rubbing	Perspiration	Water	Light (Blue scale)
			ISO 105-C06	ISO 105-X12 Dry/Wet	ISO 105-E04	ISO 105-E01	ISO 105-B02
TxRK 201	1kg Bottle	Cyan	4-5	4/4	4-5	4-5	6-7
		Magenta	4-5	4/4	4-5	4-5	7
		Yellow	4-5	4/4	4-5	4-5	>7
		Black	4-5	4-5/3-4	4-5	4-5	>7
		Orange	4-5	4/4	4-5	4-5	3
		Red	4-5	4-5/4-5	4-5	4-5	5
		Green	4-5	4-5/4	4-5	4-5	6-7
		Violet	4-5	4-5/4	4-5	4-5	6-7

Application Cotton, viscose, silk, wool, linen, polyester & blends



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 **KISCO**
CREATING COLORS AND CHEMICAL SOLUTIONS

Pre-Treatment

Improves adhesion for Pigment Inks

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PAPAJET
INKS FOR DIGITAL TEXTILE AND UV PRINTING

PAPIJET TxPT-CDB 50

KISCO develops and produces pre-treatment solutions for pigment inks. These solutions enhance color strength and maintain fastness on fabrics. Our PAPIJET TxPT-CDB50 is optimized for DTG printing. It provides good protection and improves print quality.

Pre-Treatment For DTP / DTG

Technical details

	Packing	Test Color*	Dilution Ratio (%)*	Fastness Properties			
				Untreated Fabric		KISCO(CDB 50) Pretreated Fabric	
				Dry	Wet	Dry	Wet
TxPT-CDB 50	10kg Bottle	 Cyan	191	4-5	4	4-5	4-5
		 Magenta	180	4-5	4	4-5	4-5
		 Yellow	264	4-5	4	4-5	4-5
		 Black	163	4	3-4	4-5	4

*100% C/M/Y/K Print *STD: TxPK 201 Untreated Fabric

Padding Condition Pick-up 60~70% / Dry Condition : 105°C, 1~2min



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ROADMAP TO
ZERO



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DTF INK

Direct to Film inks

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PAPAJET
INKS FOR DIGITAL TEXTILE AND UV PRINTING

PAPIJET T_xPF FOR EPSON

KISCO develops and produces high-color, high-fastness, water-based pigment inks that are based on advanced pigment dispersion technologies. Our Direct-To-Film (DTF) are inks optimized for Epson heads. They deliver stable print quality, bright colors and excellent fastness. DTF inks are eco-friendly products that do not contain hazardous substances such as halogenated organics. Their safety is certified under RoHS 2.0.

DTF inks are printed onto films which can then be applied to substrates using a heat transfer process. Applications include a wide variety of textile fabrics and clothing. DTF printing is a lower-cost process that provides great flexibility to deliver high quality, eye-catching results.

Advantages

High opacity
Low sedimentation

Shades

C M Y K W

Packing

1kg Bottle

Printing Process

On film



On T-Shirt



Physical Properties

Parameter	from	up to	Unit
Surface tension	25.0	40.0	dyne/cm
Viscosity (dynamic)	3.0	4-5	cP
pH	8.0	9.0	-
Particle size	Color 90.0	130.0	nm
	White 200.0	280.0	nm

All measurements are made at 25±5°C and were recorded after 30 seconds



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UV INK

Flexible inks with high adhesion

U V
L E D
I N K S



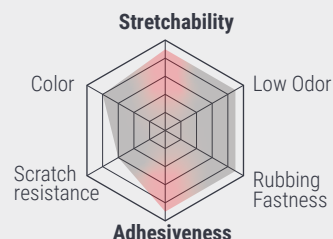
PAPAJET
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UV INKS

LED R301 Flexible type



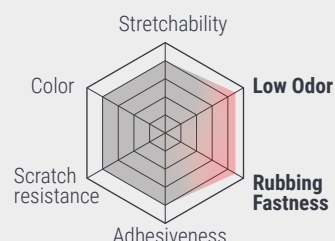
Applicable Materials	Acrylic(without Primer), Leather(PU), ABS, PC, PS, Fabric
Features	No VOCs, Good adhesion on Acrylic
Viscosity	19~22cP(at 25°C)
Applicable heads	Ricoh Gen5/Gen6, Toshiba, Seiko, Konica Minolta



LED R312 Universal type



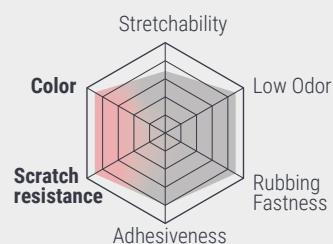
Applicable Materials	ABS, PC, PS, Banner, Vinyl, PET, PVC, Blacklit film, Fabric
Features	No VOCs, Greenguard certification
Viscosity	19~22cP(at 25°C)
Applicable heads	Ricoh Gen5/Gen6, Toshiba, Seiko, Konica Minolta



LED R421 Rigid type



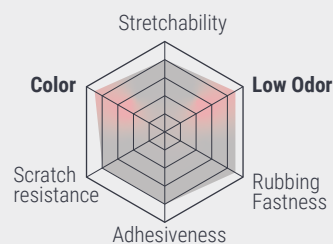
Applicable Materials	ABS, PC, PS, Banner, Vinyl, PET, PVC, Blacklit film
Features	No VOCs, Excellence of anti-scratch
Viscosity	15~20cP(at 25°C)
Applicable heads	Ricoh Gen5/Gen6/Gen5S, Toshiba, Seiko, Konica Minolta



LED E413 Universal type



Applicable Materials	ABS, PC, PS, Banner, Vinyl, PET, PVC, Blacklit film, Fabric
Features	No VOCs, Jetting stability for Epson i3200 head
Viscosity	5~8cP(at 25°C)
Applicable heads	Epson i3200/i1600



Packing

1kg Bottle

Storage Condition

It is recommended to keep cool and protect from light and heat
(Temperature 10~30°C)

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PAPIJET

DTP

Type	Series		Shades	Print Head
Sublimation Inks	LTI 203 (PES) LTI 403 (PES) LTI 414 (PES)		CMYK CMYK MK	Epson
	LTIK 402 (PES) LTIP		CMYK CMYKLcLm	Kyocera Panasonic
Pigment	DTP / DTG	TxPK 201	CMYKORGV	Kyocera
	DTF	TxPF	CMYKW	Epson
	Pre-Treatment	TxPT-CDB 50		
Powder	PAPILION (Colorant) Sublimation, Reactive powder			
	PAPICEL IJ			
	PAPICEL (Millbase) MBL series for sublimation Inks			

UV

Type	Series		Shades	Print Head
UV Inks	LED R301 Flexible Type		CMYKW	Ricoh, Toshiba, Konica Minolta, Seiko (ABS, PC, PS, PET, PVC, PU, PMA, PMMA)
	LED R312 Universal Type		CMYKW	Ricoh, Toshiba, Konica Minolta, Seiko (ABS, PC, PS, PET, PVC)
	LED R421 Rigid Type		CMYKWLcLm	
	LED E413 Universal Type		CMYKWLcLm	Epson I3200 (ABS, PET, PVC, PC, PS etc)



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